

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant(s): IMAI et al. | Atty. Dkt.: 11-175 |
| Serial No.: Unknown | Group Art Unit: |
| Filed: Concurrently herewith | Examiner: |
| Title: OPERATIONAL AMPLIFIER | |

Commissioner for Patents
Arlington, VA 22202

Date: August 4, 2003


INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the references listed on the attached Form PTO-1449 are being submitted for consideration by the Examiner without any admission that they constitute statutory prior art, or without any admission that contains subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference has been considered and made of record.

Respectfully submitted,


James E. Barlow
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| Form PTO-1449 PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 1 of 1 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ATTORNEY DOCKET NO.</td> <td style="width: 50%;">SERIAL NO.</td> </tr> <tr> <td style="text-align: center; font-size: 1.2em;">11-175</td> <td></td> </tr> <tr> <td colspan="2">APPLICANT</td> </tr> <tr> <td colspan="2" style="text-align: center;">Hiroshi IMAI et al.</td> </tr> <tr> <td>FILING DATE</td> <td>GROUP</td> </tr> <tr> <td style="text-align: center; font-size: 1.2em;">8/4/03</td> <td></td> </tr> </table> | ATTORNEY DOCKET NO. | SERIAL NO. | 11-175 | | APPLICANT | | Hiroshi IMAI et al. | | FILING DATE | GROUP | 8/4/03 | |
| ATTORNEY DOCKET NO. | SERIAL NO. | | | | | | | | | | | | |
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| Hiroshi IMAI et al. | | | | | | | | | | | | | |
| FILING DATE | GROUP | | | | | | | | | | | | |
| 8/4/03 | | | | | | | | | | | | | |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|------------------------|--------------------|---------|------------------------------------|--------------------|---------------------------------|
| Ref. Desig. | Examiner's Initials | Document Number | Date | Name | Class/ Subclass | (If appropriate) Filing Date |
| | | 5,905,617 | 5/18/99 | Kawasoe (corres. to JP11-46120) | | |
| | | 6,232,824 | 5/15/01 | Kono (corres. to JP2001-35160) | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|------------------------|--------------------|----------|--------------------------|--------------------|-------------|----|
| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation | |
| | | | | | | Yes | No |
| | | 49-63366 | 6/19/74 | Japan Nishio | | X | |
| | | 55-154809 | 12/2/80 | Japan Shimada | | X | |
| | | 5-259544 | 10/8/93 | Japan Kawasaki et al. | | X | |
| | | 7-227035 | 8/22/95 | Japan Kawabata | | X | |
| | | 8-307224 | 11/22/96 | Japan Noro | | X | |
| | | 9-8562 | 1/10/97 | Japan Mizoguchi | | X | |
| | | 11-46120 | 2/16/99 | Japan Kawasoe | | X | |
| | | 2001-35160 | 2/9/01 | Japan Kono | | X | |

| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | |
|--|------------------------|--|
| Ref. Desig. | Examiner's Initials | |
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| EXAMINER: | Date Considered: |
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.